

## Calendar

**Tuesday, Sept. 4**  
**3:30 p.m.**

DIRECTOR'S COFFEE  
BREAK - 2nd Flr X-Over  
THERE WILL BE NO  
ACCELERATOR PHYSICS  
AND TECHNOLOGY  
SEMINAR TODAY

**Wednesday, Sept. 5**

THERE WILL BE NO  
FERMILAB ILC R&D  
MEETING THIS WEEK

**3:30 p.m.**

DIRECTOR'S COFFEE  
BREAK - 2nd Flr X-Over  
THERE WILL BE NO  
FERMILAB COLLOQUIUM  
THIS WEEK

[Click here](#) for NALCAL,  
a weekly calendar with links  
to additional information.

## Weather



**Sunny 86°/69°**

[Extended Forecast](#)

[Weather at Fermilab](#)

## Current Security Status

[Secon Level 3](#)

## Wilson Hall Cafe

**Tuesday, Sept. 4**

- Chicken & rice soup
- Cowboy burger
- Baked meatloaf w/gravy
- Smart Cuisine: parmesan baked fish
- Peppered beef
- Assorted slice pizza
- Chipotle chili & queso nachos supreme

*\*Carb Restricted Alternative*

[Wilson Hall Cafe Menu](#)

## Chez Leon

## Feature

### DOE's Mark Bollinger finds a home at Fermilab



[Mark Bollinger, deputy manager of DOE's Fermi Site Office.](#)

Mark Bollinger always was interested in nature and liked the intricacies of science. But he never thought he'd get to put the two together. Then he ended up at Fermilab, as DOE's newest deputy manager for the Fermi Site Office. He gets to support Fermilab's missions of environmental conservation and scientific research.

"It was great luck that this position I had hoped for became open; it allows me to work with all of those areas together," said Mark Bollinger. "In this job you touch everything."

As the deputy manager, Bollinger will help to create a bridge between the Office of Science, the Fermi Site Office and Fermilab. Joanna Livengood, director for the DOE Fermi Site Office, said that Bollinger's broad experience and varying interests made him a natural choice for this position. "I'm thrilled to have Mark on board," she said. "With his diverse background and experience within the field and with DOE, he'll bring a unique perspective to our team."

Prior to his appointment with DOE, Bollinger worked as a scientist for the state of Indiana. He has a Bachelor of Science in biology and a Master of Science in environmental science with a concentration in public management from the University of Indiana. Within DOE, Bollinger has worked with the Office of Science, the Plutonium Disposition Program, the Center for Risk Excellence and the Office of Environmental Management. He was most recently the head of the Management Analysis

## Director's Corner

### Crossroads



[Pier Oddone and Peter Higgs at Erice](#)

Fermilab is a true crossroads where physicists from many countries come to carry out their experiments using the great facilities that we provide. CERN is a major crossroads for a hundred countries as it readies the facilities that will advance particle physics for the next two decades. But it is also possible to have a major and influential world crossroads in science without offering any experimental facilities.

Italian physicist Antonino Zichichi has accomplished this in the small town of Erice, Sicily, by now a legendary center for science. Professor Zichichi founded the Ettore Majorana Foundation and Centre for Scientific Culture in 1963 to pursue his vision of a world center of post-university learning. After nearly 45 years of growth, the foundation now supports roughly 50 schools per year involving more than 4000 scientists. Counting the schools that meet less often than yearly, the Ettore Majorana Foundation supports 123 schools in diverse areas of science. It is funded by the Sicilian and Italian governments. These schools take place in four ancient monasteries that have been restored into magnificent venues for scientific learning and discussions. The town of Erice itself sits 2000 feet above the surrounding landscape, an ancient town going back nearly 3000 years. Sicily itself has been the crossroads for many cultures, dominated at different times by the Elymians, Phoenicians, Greeks, Romans, Arabs, Normans and Spanish before being unified with Italy in 1860. One finds all these cultures juxtaposed today in Sicily's arts, monuments, customs and people.

**Wednesday, Sept. 5  
Lunch**

- Cumin and chipotle glazed pork loin w/apple salsa
- Roasted sweet potatoes
- Pear tart

**Thursday, Sept. 6  
Dinner**

- Tomato & mozzarella salad
- Stuffed fillet of sole w/ crabmeat
- Vegetable medley
- Chocolate soufflé w/amaretto crème anglais

[Chez Leon Menu](#)

Call x4598 to make your reservation.

**Archives**[Fermilab Today](#)[Result of the Week](#)[Safety Tip of the Week](#)[ILC NewsLine](#)**Info**

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[www.fnal.gov/today/](http://www.fnal.gov/today/)

Send comments and suggestions to:

[today@fnal.gov](mailto:today@fnal.gov)

and Administrative Services teams at the Chicago Office.

Bollinger began his DOE career as a program manager in waste management at Fermilab in 1992. Although he moved on to positions in other locations, Fermilab remained the apex of many of Bollinger's interests: scientific research, environmental management and public management.

Since he began his position on Aug. 20, Bollinger has jumped headfirst into his responsibilities, Livengood said. He's already met with congressional staff, attended meetings and conferences and has begun to get acquainted with site office staff.

"We are just looking to strengthen the federal stewardship role of our site office in hopes of supporting Fermilab and improving the laboratory's overall operations and success," Bollinger said.

Bollinger enjoys playing soccer and golf. He lives in Oswego with his wife, Andrea, and his two children, 12-year-old Paloma and 9-year-old Winston.

-- *Rhianna Wisniewski*

**In the News****Low-energy neutrinos detected inside sun**

From *Science Daily*, Aug. 29, 2007

Science Daily — In collaboration with scientists from institutions in the United States and Europe, researchers from Virginia Tech have observed tell-tale signals of neutrinos emitted by thermonuclear fusion reactions that power the sun deep in its interior.

At approximately 15 million degrees, protons -- the nuclei of hydrogen atoms -- and light elements can fuse to form new nuclei. Several such steps eventually convert the hydrogen in the sun into helium, releasing about 25 million times more energy per gram than TNT, oil, or coal.

"While the neutrinos, which are uncharged elementary particles, only take about eight minutes to reach the earth, the thermal energy produced at the center of the sun only appears as sunlight some 50 thousand years later, after diffusing to the sun's surface," said Bruce Vogelaar professor of physics and leader of Virginia Tech's research team for this project.

The first meeting in Erice was the International School in Subnuclear Physics (ISSP). I have participated as a lecturer in the 45th edition of this school. It brings together two dozen notable and even legendary particle physicists along with a select four dozen "new talents" from all over the world. It covers the latest developments in particle physics while maintaining a unifying theme; this year's theme is "Searching for the Totally Unexpected in the LHC Era." It has been an opportunity for me to lecture on the exciting life we lead at Fermilab, to come back with new ideas and with some recruiting targets in mind. The organization of the school maximizes the opportunities for discussions and learning, with long days starting with morning lectures, afternoon presentations by the "new talents" and ending in the early evening with questions and discussion sessions, followed by dinners together where further interactions continue. There is a "piano room" in the St. Rocco monastery dedicated to late-night discussions that bring together the students and more hardy faculty; a unique feature of this room is the large cask of the local specialty Marsala wine. One memorable product of these late Marsala sessions so far is a new song, "New Quark New Squark," sung to the melody of "New York New York", composed by the "new talents" with the help of some "old talents" to sing the glories-to-be of the LHC. Now if it would only become a hit song!

**Accelerator Update****August 24 - 31**

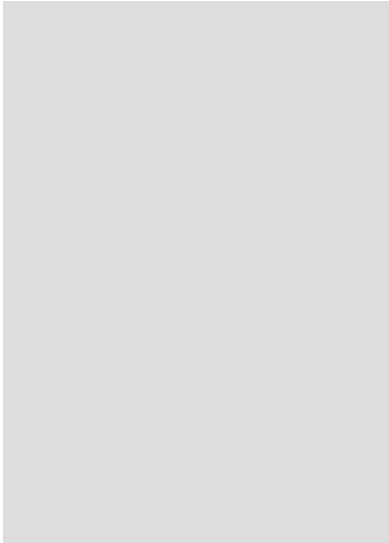
- Booster: cable pulls complete
- MI: collimator work 45 percent complete
- TeV: A1 warmed up to look for leaks
- NuMI: target pile chiller maintenance complete
- FESS: 18 of 19 poles installed

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

**Announcements**



[Read more](#)

**Have a safe day!**

**FileMaker Pro class**

Use FileMaker Pro to create and use databases to store and organize information so that it is available for efficient retrieval.  
[Learn more and enroll](#)

**Heart health risk assessment**

Fermilab Wellness Works Committee and Delnor-Community Hospital will present a "Know Your Heart Health Risk Assessment" screening on Thursday, Sept. 6, and Thursday, Sept. 27, from 6:30 to 11 a.m. The event is open to new participants only.

**[Additional Activities](#)**